

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims

1. (Currently Amended) A wireless imaging device, comprising:

an imaging section, arranged to provide a function of imaging a subject; and

a communication section, arranged to provide a wireless communication function,

wherein said imaging section comprises an optical lens which has a spherical body, an iris aperture to limit incident light on said the optical lens, an optical sensor to convert the incident light passed through said an aperture of the iris into an electric signal, and an antenna integrally provided with said aperture the iris, to wireless-transmit said the electric signal converted into a radio signal by said communication section,

wherein the iris and the antenna are arranged to a midsection of the optical lens, and the optical sensor is arranged to a part of a spherical surface of the optical lens.

2. (Currently Amended) The device according to claim 1, wherein said communication section generates a high radio frequency signal based on said the electric signal, and supplies the generated high radio frequency signal to said the antenna.

3. (Currently Amended) The device according to claim 1, wherein the entire surface of ~~said aperture~~ the iris is formed as ~~said the~~ antenna.
4. (Canceled)
5. (Currently Amended) An image obtaining apparatus, comprising a ~~plurality of devices~~ device described in claim 1 in plural, wherein ~~said plurality of the plural~~ devices and wireless communication described in claim 1 construct a network of ~~said the~~ plural devices.
6. (Currently Amended) The apparatus according to claim 6 5, further comprising a base section arranged to perform ~~said the~~ wireless communication with ~~said plurality of the plural~~ devices, to control transmission of imaging information from ~~said plurality of the plural~~ devices, and to receive ~~said the~~ imaging information.
7. (Currently Amended) A ~~control~~ method of controlling an image obtaining apparatus a plurality of devices described in claim 1 5, comprising the steps of:
 - performing wireless communication to control transmission of imaging information from ~~said a~~ plurality of devices; and
 - receiving ~~said the~~ imaging information by ~~said the~~ wireless communication.

8. (Currently Amended) An image obtaining apparatus, comprising a plurality of imaging devices which provide a wireless communication function and a single imaging function,

wherein the number of the plurality of imaging devices is larger than that of subjects to be imaged by the plurality of imaging devices, and an aperture value of the imaging function in each imaging device is fixed,

wherein ~~said~~ the plurality of imaging devices provide, as a whole, one or more ~~high-level~~ imaging functions by ~~co-operative work using said wireless communication function~~ using image synthesis to synthesize imaging data of a part of the plurality of imaging devices which has an appropriate aperture value for the subjects and captures a picture of the subjects.

9. (Currently Amended) The apparatus according to claim 8, further comprising a base section arranged to perform ~~said~~ the wireless communication with ~~said~~ the plurality of imaging devices, to control transmission of the imaging data ~~information~~ from ~~said~~ the plurality of imaging devices, and to receive ~~said~~ the imaging ~~information~~ data.

10. (Currently Amended) The apparatus according to claim 8, wherein ~~said~~ each imaging device has a sensing function, and wherein a network of ~~said~~ the plurality of imaging devices is constructed utilizing ~~said~~ the wireless communication, to provide information to be managed by an external device.

11. (Canceled)

12. (Currently Amended) The apparatus according to claim ~~11~~ 8, wherein each imaging device has a spherical lens and an optical sensor, and a refractive index of ~~said~~ the spherical lens is different by each imaging device.

13-14. (Canceled)

15. (Currently Amended) The apparatus according to claim 8, wherein ~~said~~ the plurality of imaging devices respectively have a single color filter.

16. (Currently Amended) The apparatus according to claim 8, wherein ~~said~~ the plurality of imaging devices respectively have a polarizing filter.

17. (Currently Amended) The apparatus according to claim 16, wherein ~~said~~ the polarizing filter has a liner polarizing or circular polarizing property.